

## Message Text

SECRET

PAGE 01 GENEVA 06790 051000Z  
ACTION SS-25

INFO OCT-01 ISO-00 SSO-00 NSCE-00 DODE-00 CIAE-00

INRE-00 DOEE-00 /026 W

-----024857 051007Z /13

O 050950Z MAY 78

FM USMISSION GENEVA

TO SECSTATE WASHDC IMMEDIATE 9206

INFO AMEMBASSY LONDON PRIORITY

AMEMBASSY MOSCOW PRIORITY

S E C R E T GENEVA 06790

EXDIS USCTB

PASS TO DOE

E.O. 11652:XGDS-3

TAGS: PARM US UK UR

SUBJECT: CTB NEGOTIATIONS: CLARIFICATION OF ILLUSTRATIVE LANGUAGE IN TECHNICAL ANNEX ON ARRAY STATIONS

CTB MESSAGE NO. 193

1. IN THE PRESENT TEXT, UNDER SECTION B (ARRAY STATIONS), PARAGRAPH 2 (BOREHOLE PACKAGE) SUB-PARAGRAPH A (SEISMOMETERS), THE SECOND SENTENCE IS THE FOLLOWING: "SHORT-PERIOD DATA WILL BE OBTAINED FROM A SEISMOMETER SPECIFICALLY DESIGNED FOR THAT PURPOSE, AND SHALL SENSE EARTH MOTION IN ONE VERTICAL AND TWO ORTHOGONAL HORIZONTAL AXES IN THE FREQUENCY BAND FROM 0.1 TO 10 HZ."

2. AT THE PRESENT TIME, THERE IS LITTLE IF ANY TECHNICAL JUSTIFICATION FOR A HORIZONTAL SHORT-PERIOD ARRAY. WHILE PHASES SUCH AS S(N) WILL BE HELPFUL IN DEPTH DETERMINATION,

SECRET

SECRET

PAGE 02 GENEVA 06790 051000Z

HORIZONTAL ARRAY DATA KNOWN TO US DOES NOT DISPLAY SIGNIFICANT COHERENCY AND THEREFORE WOULD NOT LEAD TO SUBSTANTIAL ARRAY SIGNAL-TO-NOISE GAIN. MOREOVER, THE LONG OR MID-PERIOD RANGES THAT HAVE BEEN PROPOSED HAVE HORIZONTAL COMPONENTS IN THE FREQUENCY BAND FROM 0.01 TO 10 HZ. JUSTIFICATION IN THE LONG OR MID-PERIOD CONTEXT CAN BE PRESENTED IN TERMS OF THREE-COMPONENT PROCESSING.

3. BY DELETING THE HORIZONTAL COMPONENTS FROM THE SHORT PERIOD SENSORS, WE WOULD HAVE APPROXIMATELY 13 ELEMENTS INSTEAD OF 25 ELEMENTS FOR THE RECORDING OF SHEAR CRUSTAL PHASES. THEREFORE, IT IS PROPOSED THAT THE ABOVE LANGUAGE BE MODIFIED AS FOLLOWS: "...AND SHALL SENSE EARTH MOTION IN THE VERTICAL AXES IN THE FREQUENCY BAND FROM 0.1 TO 10 HZ." WE ARE PLANNING TO TABLE ON MAY 8 ILLUSTRATIVE LANGUAGE DEVELOPED BY THE INTERAGENCY WORKING GROUP, AND WILL INCLUDE MODIFICATION SUGGESTED ABOVE UNLESS OTHERWISE INSTRUCTED. JOHNSON

SECRET

NNN

## Message Attributes

**Automatic Decaptoning:** Z  
**Capture Date:** 01 jan 1994  
**Channel Indicators:** n/a  
**Current Classification:** UNCLASSIFIED  
**Concepts:** LIMITED TEST BAN TREATY, DOCUMENTS, NEGOTIATIONS, OFFICIAL LANGUAGE  
**Control Number:** n/a  
**Copy:** SINGLE  
**Draft Date:** 05 may 1978  
**Decaption Date:** 20 Mar 2014  
**Decaption Note:** 25 YEAR REVIEW  
**Disposition Action:** RELEASED  
**Disposition Approved on Date:**  
**Disposition Case Number:** n/a  
**Disposition Comment:** 25 YEAR REVIEW  
**Disposition Date:** 20 Mar 2014  
**Disposition Event:**  
**Disposition History:** n/a  
**Disposition Reason:**  
**Disposition Remarks:**  
**Document Number:** 1978GENEVA06790  
**Document Source:** CORE  
**Document Unique ID:** 00  
**Drafter:** n/a  
**Enclosure:** n/a  
**Executive Order:** X3  
**Errors:** N/A  
**Expiration:**  
**Film Number:** D780192-0027  
**Format:** TEL  
**From:** GENEVA  
**Handling Restrictions:**  
**Image Path:**  
**ISecure:** 1  
**Legacy Key:** link1978/newtext/t19780590/aaaacyqi.tel  
**Line Count:** 73  
**Litigation Code IDs:**  
**Litigation Codes:**  
**Litigation History:**  
**Locator:** TEXT ON-LINE, ON MICROFILM  
**Message ID:** 66dacba3-c288-dd11-92da-001cc4696bcc  
**Office:** ACTION SS  
**Original Classification:** SECRET  
**Original Handling Restrictions:** EXDIS  
**Original Previous Classification:** n/a  
**Original Previous Handling Restrictions:** n/a  
**Page Count:** 2  
**Previous Channel Indicators:** n/a  
**Previous Classification:** SECRET  
**Previous Handling Restrictions:** EXDIS  
**Reference:** n/a  
**Retention:** 0  
**Review Action:** RELEASED, APPROVED  
**Review Content Flags:**  
**Review Date:** 16 jun 2005  
**Review Event:**  
**Review Exemptions:** n/a  
**Review Media Identifier:**  
**Review Release Date:** n/a  
**Review Release Event:** n/a  
**Review Transfer Date:**  
**Review Withdrawn Fields:** n/a  
**SAS ID:** 2784116  
**Secure:** OPEN  
**Status:** NATIVE  
**Subject:** CTB NEGOTIATIONS: CLARIFICATION OF ILLUSTRATIVE LANGUAGE IN TECHNICAL ANNEX ON ARRAY STATIONS CTB MESSAGE NO. 193  
**TAGS:** PARM, US, UK, UR  
**To:** STATE  
**Type:** TE  
**vdkgwkey:** odbc://SAS/SAS.dbo.SAS\_Docs/66dacba3-c288-dd11-92da-001cc4696bcc  
**Review Markings:**  
Sheryl P. Walter  
Declassified/Released  
US Department of State  
EO Systematic Review  
20 Mar 2014  
**Markings:** Sheryl P. Walter Declassified/Released US Department of State EO Systematic Review 20 Mar 2014